

DH-PFL16-L12M

12MP 1.1" 16 mm Fixed-focal Lens



- 12MP for excellent imaging
- F1.0 large aperture, suitable for intelligent surveillance in ultra-low light conditions
- 1.1" image sensor, installable on most traffic enforcement cameras
- Standard interface, easy installation and strong camera compatibility
- Comply with RoHS

Technical Specification

Performance

| | |
|-------------------------------|---|
| Image Sensor Size | 1.1" |
| Focal Length | 16 mm |
| Pixel | 12MP |
| Max. Aperture | F1.0 |
| IR Correction | No |
| Chief Ray Angle (CRA) | 10.2° |
| Total Optical Length | 113.3 mm (4.46") |
| Flange Back Focal Length | 17.5 mm (0.69") |
| Mechanical Back Focal Length | 11.65 mm (in air) (0.46") |
| Field of View | 1.1": 59.9° × 50.1° × 34.9°@17.55 mm × 14.47 mm × 9.936 mm (Diagonal × Horizontal × Vertical) 1": 55° × 49° × 26.3° @16.1 mm × 14.13 mm × 7.45 mm (Diagonal × Horizontal × Vertical) |
| Distortion | -6% (1.1") |
| Minimum Object Distance (MOD) | 3 m (9.84 ft) |

Lens Control

| | |
|-------|--------|
| Zoom | Fixed |
| Focus | Manual |
| Iris | Manual |

Mount

| | |
|------------|---------|
| Mount Type | C mount |
|------------|---------|

General

| | |
|--------------------|------------------------------------|
| Product Dimensions | Ø64 mm × 103.9 mm (Φ2.52" × 4.09") |
| Color | Black |

| | |
|----------------------|--|
| Casing | Metal |
| Net Weight | 0.683 kg (1.51 lb) |
| Gross Weight | 0.8 kg (1.76 lb) |
| Packaging Method | 14 pcs in each master carton |
| Packaging Dimensions | Inner carton: 172 mm × 122 mm × 125 mm (6.77" × 4.8" × 4.92") (L × W × H) Master carton: 540 mm × 280 mm × 240 mm (21.26" × 11.02" × 9.45") (L × W × H) |

Environment

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|-----------------------|----------------------------------|
| Operating Temperature | -30°C to +70°C (-22°F to +158°F) |
| Operating Humidity | 10%–90% (RH) |
| Storage Temperature | -30°C to +70°C (-22°F to +158°F) |
| Storage Humidity | 10%–90% (RH) |
| Certifications | CE, FCC |

Ordering Information

| Type | Model | Description |
|---------------------|---------------|--|
| HD Fixed-focal Lens | DH-PFL16-L12M | Dahua 12MP 1.1" 16 mm Fixed-focal Lens |

Dimensions (mm[inch])

